



# Race Gas

## BUREAU OF WEIGHTS & MEASURES

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## RESOURCES

### Fuel Quality Webpage

[https://datcp.wi.gov/Pages/Programs\\_Services/FuelQuality.aspx](https://datcp.wi.gov/Pages/Programs_Services/FuelQuality.aspx)

### Wis. Admin. Code ATCP 93

[http://docs.legis.wisconsin.gov/code/admin\\_code/atcp/090/94](http://docs.legis.wisconsin.gov/code/admin_code/atcp/090/94)

### EPA Clean Air Act

<https://www.epa.gov/clean-air-act-overview/clean-air-act-title-ii-emission-standards-moving-sources-parts-through-c>

## Race gas

Automotive race gas is a special type of high octane gasoline that may not meet ASTM (American Society for Testing and Materials) D4814 specifications required for normal on-road use. If a race gas does not meet the specifications, it can only be used in racing vehicles in sanctioned racing events or in preparation for racing. When used for racing events, it is the only automotive fuel that can contain lead or methyl tertiary-butyl ether (MTBE). (40 CFR § 80.22(b), Wisconsin Administrative Code § ATCP 94.210(1)(g))

## Requirements for race gas

Required specifications. All racing fuels sold or offered for sale in Wisconsin must meet these required specifications:

- ATSM D4814 specifications, or
- The distillation specifications listed in Table 94.210, Wisconsin Administrative Code § ATCP 94.210(1)(b)
- Must be visually free of undissolved water, sediment, and suspended matter, and be clear and bright at the ambient temperature or 70°F (21°C), whichever is higher. (Wis. Admin. Code § ATCP 94.210(1)(a))

Identifying documentation required at delivery. Any person receiving, unloading, using, offering for sale, or selling racing gas must identify the product as to name or grade. Delivery of the fuel to a retail outlet must include a certification of the automotive fuel rating, either by letter, or on the delivery ticket or other paper, as required by 16 CFR § 306.10(g). (Wis. Admin. Code § ATCP 94.300(3)(a))

## Dispenser labeling requirements

- Octane rating must be posted on the dispenser. All devices dispensing racing gas at motor fuel dispensing facilities, garages, or other places where liquid fuel products are sold or offered for sale must be marked with a conspicuous label visible on both faces of the dispensing device indicating the automotive fuel rating of the fuel product. (Wis. Admin. Code § ATCP 94.300(1)(a))
- Oxygenate must be posted on the dispenser. Dispensing devices must be labeled with the identity of the oxygenate, such as "Ethanol", "Methyl Tertiary Butyl Ether (MTBE)", "Ethyl Tertiary Butyl Ether (ETBE)", "Tertiary Amyl Methyl Ether (TAME)", "Tertiary Butyl Alcohol (TBA)", or as an other oxygenate name approved by the department. (Wis. Admin. Code § ATCP 94.300(1)(b)5.)

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## **Dispenser labeling requirements (cont.)**

- Ethanol content must be posted on the dispenser. If the fuel contains more than 2% by volume of ethanol, the dispenser must be labeled with the maximum volume percent of ethanol at all times the product is offered for retail sale. (Wis. Admin. Code § ATPCP 94.300(1)(b))
- If the race gas does not meet ASTM D4814, if it contains more than .05 grams of lead per gallon, or if it contains more than .5% MTBE, then the dispenser must be labeled: "Racing gasoline. For off road racing events only. Does not meet automotive gasoline specifications."

## **Petition for variance**

If a race gas does not meet the required ASTM D4814 or Wis. Admin. Code § ATPCP 94.210 fuel specifications, prior to sale in Wisconsin, a petition of variance must be submitted to DATCP for consideration. All submissions must include the manufacturer's specifications for the fuel. Those specifications must match testing results obtained from the Wisconsin Weights and Measures Laboratory.

See our fuel quality webpage for existing variances for race gas:

[https://datcp.wi.gov/Pages/Programs\\_Services/FuelQuality.aspx](https://datcp.wi.gov/Pages/Programs_Services/FuelQuality.aspx)

Petition for Variance form TR-WM-129 is available on our website:

<https://datcp.wi.gov/Documents/TR-WM-129.docx>